

Faculty of Oral & Dental Medicine

Human Dentition

Information :

Course Code : DHST 112

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

Title	Name	Office hours
Professor	Mona Fathy Abdel Maksoud Eldeeb	
Professor	AMANY AHMED RABEE MOHAMED OSMAN	
Lecturer	Nehad Mostafa Abd El Monsif Mostafa	
Assistant Lecturer	Aya Mohamed Reyad Ismaeil AbuHussein	
Assistant Lecturer	Esraa Gamal Hassan Mohamed	

Area Of Study :

"A"o promote advanced knowledge about dental anatomy and physiology.
 "A"o provide expanded knowledge about human dentition (permanent molars and deciduous dentition, physiologic significance of tooth form and different types of occlusion).
 "A"o serve as a basis for understanding the clinical courses such as Pedodontics, Orthodontics, Operative dentistry, Endodontics as well as prosthodontics and crown and bridge.

Description :

1. Surface anatomy of deciduous teeth
2. Surface anatomy of permanent molars
3. Condition of teeth at different ages
4. Mandible at different ages
5. Physiology significance of tooth form in
6. Protecting the periodontium
7. Arrangement of teeth in curves
8. Normal occlusion

Course outcomes :

a. Knowledge and Understanding: :

1 -	Identify both deciduous and permanent teeth
2 -	Memorize the chronology
3 -	Describe the anatomical changes induced in the mandible by age

4 -	State the significance of physiologic tooth form in protecting the periodontium
5 -	Describe the different curves to which the arrangement of teeth conforms.
6 -	Describe the relation of maxillary and mandibular teeth in normal centric occlusion as well as during different mandibular movements
b. Intellectual Skills: :	
1 -	Differentiate between the deciduous and permanent human teeth.
2 -	Predict the approximate age of a human being according to the condition of his teeth
3 -	Distinguish any abnormalities in human teeth as well as in their occluding relations.
c. Professional and Practical Skills: :	
1 -	Design the morphology of different types of human teeth.
2 -	Create the normal shape and size of different permanent ((premolars and molars) human teeth by carving.
d. General and Transferable Skills: :	
1 -	Manage time effectively.
2 -	Appreciate long life learning.

Course Topic And Contents :			
Topic	No. of hours	Lecture	Tutorial / Practical
Upper first molar Carving Lower 4	5	1	4
Upper second and third molars Carving Lower 4	5	1	4
Lower first molar Evaluation Lower 4 + Carving Lower 5	5	1	4
Lower second and third molars Carving Lower 5	5	1	4
Deciduous teeth (anterior) Evaluation Lower 5 + Carving upper 6	5	1	4
Deciduous teeth (posterior) 1st Practical Quiz + Carving upper 6	5	1	4
Physiological significance of tooth form Carving upper 6 & identification of natural upper molars (permanent & deciduous)	5	1	4
Compensating curvatures Evaluation of Upper 6 + Applied Dental Anatomy + Carving lower 6	5	1	4
Occlusion of anterior teeth Carving lower 6	5	1	4
Occlusion of anterior teeth Carving lower 6	5	1	4

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Teeth at Different ages Evaluation of Lower 6 + Teeth at Different ages& identification of natural teeth	5	1	4
Mandible at different ages 2nd Practical Quiz + Mandible at different ages& identification of natural teeth	5	1	4

Teaching And Learning Methodologies :

Lectures using power point.

Lectures using videos.

Lectures with discussions.

Practical and small group sessions: a. Each practical session's preceded by slide tutorial demonstration, carving videos, drawing of different teeth and class discussions. b. Demonstration of tooth carving in small groups.

Small discussion teaching.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final practical Examination	15.00		
Final term Examination	25.00		
Oral Examination	10.00		
Semester practical work	25.00		
Semester written Examination	25.00		

Course Notes :

All lectures are available for students as presentations on the moodle.

Handouts for certain topics uploaded on moodle.

Recommended books :

Textbooks: Mary Bath-Balogh, Margaret J. Fehrenbach Dental Embryology Histology and Anatomy 4th Edition, 2015

Web Sites :

PubMed

Science Direct